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09/397782

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| Main Menu | Search Form | Posting Counts | Show S Numbers | Edit S Numbers | Preferences |

Search Results -

Term	Documents
(3 AND 4).JPAB,EPAB,DWPI,TDBD.	1

Database:

- US Patents Full-Text Database
- JPO Abstracts Database
- EPO Abstracts Database
- Derwent World Patents Index
- IBM Technical Disclosure Bulletins

Refine Search: 13 and 14 | Clear |

Search History

Today's Date: 12/12/2000

DB Name	Query	Hit Count	Set Name
JPAB,EPAB,DWPI,TDBD	itr	191	L1
JPAB,EPAB,DWPI,TDBD	inverted adj tandem adj repeat	2	L2
JPAB,EPAB,DWPI,TDBD	l1 or l2	192	L3
JPAB,EPAB,DWPI,TDBD	reverse adj transcriptase	1477	L4
JPAB,EPAB,DWPI,TDBD	l3 and l4	1	L5

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Search Results - Record(s) 1 through 1 of 1 returned.

☐   1.   Document ID: WO 200022114 A1, AU 9962988 A

L5: Entry 1 of 1   File: DWPI   Apr 20, 2000

DERWENT-ACC-NO: 2000-317974
DERWENT-WEEK: 200038
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TITLE: Genetic element for producing and delivering single-stranded DNA, comprises a
gene encoding reverse transcriptase and a sequence of interest flanked by an inverted
tandem repeat and primer binding site

| Full | Title | CIT.1 | REV.1 CLS.1 | REF.1 | DRAW.1 |

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Term	Documents
(3 AND 4).JPAB,EPAB,DWPI,TDBD.	1

| Display | 99 Documents, starting with Document: 1

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Search Results -

Term	Documents
(8 AND 9).USPT.	45

Database:

```
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JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
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Refine Search: `18 and 19` | Clear |

Search History

Today's Date: 12/12/2000

DB Name	Query	Hit Count	Set Name
JPAB,EPAB,DWPI,TDBD	itr	191	L1
JPAB,EPAB,DWPI,TDBD	inverted adj tandem adj repeat	2	L2
JPAB,EPAB,DWPI,TDBD	l1 or l2	192	L3
JPAB,EPAB,DWPI,TDBD	reverse adj transcriptase	1477	L4
JPAB,EPAB,DWPI,TDBD	l3 and l4	1	L5
USPT	itr	404	L6
USPT	inverted adj tandem adj repeat	2	L7
USPT	l6 or l7	406	L8
USPT	reverse adj transcriptase	8456	L9
USPT	l8 and l9	45	L10

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Search Results -

Term	Documents
(1 AND 2).USPT,JPAB,EPAB,DWPI,TDBD.	7

Database:

US Patents Full Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Refine Search: | l1 and l2 | Clear |

Search History

Today's Date: 12/12/2000

DB Name	Query	Hit Count	Set Name
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 gene	777	L1
USPT,JPAB,EPAB,DWPI,TDBD	itr or (inverted adj tandem adj repeat)	598	L2
USPT,JPAB,EPAB,DWPI,TDBD	l1 and l2	7	L3 — *Displayed kwic w/o PRENTER.*

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Search Results -

Term	Documents
(5 NOT 3).USPT,JPAB,EPAB,DWPI,TDBD.	22

Database:
```
US Patents Full Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Refine Search: `15 not 13` | Clear |

Search History

Today's Date: 12/12/2000

DB Name	Query	Hit Count	Set Name
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 gene	777	L1
USPT,JPAB,EPAB,DWPI,TDBD	itr or (inverted adj tandem adj repeat)	598	L2
USPT,JPAB,EPAB,DWPI,TDBD	l1 and l2	7	L3
USPT,JPAB,EPAB,DWPI,TDBD	(reverse adj transcriptase) near10 (dna$1 or cdna$1)	4735	L4
USPT,JPAB,EPAB,DWPI,TDBD	l2 and l4	25	L5
USPT,JPAB,EPAB,DWPI,TDBD	l5 not l3	22	L6

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Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 6140114 A

L3: Entry 1 of 7   File: USPT   Oct 31, 2000

US-PAT-NO: 6140114
DOCUMENT-IDENTIFIER: US 6140114 A
TITLE: Defective viral vaccine particles obtained in vivo or ex vivo

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 2. Document ID: US 6027722 A

L3: Entry 2 of 7   File: USPT   Feb 22, 2000

US-PAT-NO: 6027722
DOCUMENT-IDENTIFIER: US 6027722 A
TITLE: Vectors for gene transfer

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 3. Document ID: US 6017734 A

L3: Entry 3 of 7   File: USPT   Jan 25, 2000

US-PAT-NO: 6017734
DOCUMENT-IDENTIFIER: US 6017734 A
TITLE: Unique nucleotide and amino acid sequence and uses thereof

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 4. Document ID: US 5997859 A

L3: Entry 4 of 7   File: USPT   Dec 7, 1999

US-PAT-NO: 5997859
DOCUMENT-IDENTIFIER: US 5997859 A
TITLE: Method for treating a metastatic carcinoma using a conditionally lethal gene

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐ 5. Document ID: US 5853716 A

L3: Entry 5 of 7   File: USPT   Dec 29, 1998

US-PAT-NO: 5853716
DOCUMENT-IDENTIFIER: US 5853716 A
TITLE: Genetically engineered chimeric viruses for the treatment of diseases
associated with viral transactivators

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐   6.   Document ID: US 5731182 A

L3: Entry 6 of 7   File: USPT   Mar 24, 1998

US-PAT-NO: 5731182
DOCUMENT-IDENTIFIER: US 5731182 A
TITLE: Non-mammalian DNA virus to express an exogenous gene in a mammalian cell

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

☐   7.   Document ID: WO 200022114 A1, AU 9962988 A
L3: Entry 7 of 7   File: DWPI   Apr 20, 2000

DERWENT-ACC-NO: 2000-317974
DERWENT-WEEK: 200038
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TITLE: Genetic element for producing and delivering single-stranded DNA, comprises a
gene encoding reverse transcriptase and a sequence of interest flanked by an inverted
tandem repeat and primer binding site

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |

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Term	Documents
(1 AND 2).USPT,JPAB,EPAB,DWPI,TDBD.	7

Display   99 Documents, starting with Document: 7

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in CAPLUS on STN.
=> s (itr or (inverted (w) tandem (w) repeat#)/bi,ab

UNMATCHED LEFT PARENTHESIS '(ITR'
The number of right parentheses in a query must be
equal to the number of left parentheses.

=> s (itr or (inverted (w) tandem (w) repeat#))/bi,ab

  385 ITR/BI
  319 ITR/AB
  18868 INVERTED/BI
  17876 INVERTED/AB
  27102 TANDEM/BI
  23200 TANDEM/AB
  48590 REPEAT#/BI
  44412 REPEAT#/AB
  4 INVERTED (W) TANDEM (W) REPEAT#
L1 389 (ITR OR (INVERTED (W) TANDEM (W)
REPEAT#))/BI,AB
=>

=> s (reverse (w) transcriptase#)/bi,ab

  124983 REVERSE/BI
  113568 REVERSE/AB
  16935 TRANSCRIPTASE#/BI
  15318 TRANSCRIPTASE#/AB
L2 16453 (REVERSE (W) TRANSCRIPTASE#)/BI,AB

=> s l1 and l2

L3 1 L1 AND L2

=> d l3 1 bib ab

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS
AN 2000:272115 CAPLUS
DN 132:289581
TI Production of single-stranded DNA in vivo
IN Conrad, Charles A.
PA Ingene, Inc., USA
SO PCT Int. Appl., 77 pp.
 CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

PATENT NO. KIND DATE APPLICATION NO. DATE
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PI WO 2000022114 A1 20000420 WO 1999-US23936 19991012
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH,
CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
SL, TJ
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT,
BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,
MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW,
ML, MR, NE, SN, TD, TG AU 9962988 A1 20000501 AU
1999-62988 19991012 PRAI US 1998-169793 19981009
 US 1999-397782 19990916
 WO 1999-US23936 19991012

AB Methods and compns. are provided for producing
single-stranded cDNA (ss-cDNA) in eukaryotic cells,
specifically, a DNA cassette that produces ss-cDNA in
vivo. The cassette contains the Moloney murine
leukemia virus reverse transcriptase /RNase H coding
gene, a bacterial restriction endonuclease gene, and a
sequence of interest which produces an RNA template
from which the reverse transcriptase synthesizes
ss-cDNA of a specified sequence. The ss-cDNA is then
modified to remove all flanking vector sequences by
taking advantage of the "stem-loop" structure of the
ss-cDNA, which forms as a result of the inclusion of
an inverted tandem repeat that allows the ss-cDNA to
fold back on itself, forming a double stranded DNA
stem, in the sequence of interest. The double-stranded
stem contains one or more functional genetic elements
such as a restriction endonuclease recognition site
and the loop, which remains as ss-DNA, is comprised of
any desired nucleotide sequence. This design allows
the double-stranded stem of the stem-loop intermediate
to be cleaved by the desired corresponding restriction
endonuclease(s) specific for the site in the stem and
the loop portion, or sequence of interest, is then
released as a linearized, single-stranded piece of
DNA. This released (or cleaved) ss-DNA piece contains
minimal, if any, sequence information either upstream
5' or downstream 3' from the previous double stranded
stem portion which contains the restriction
endonuclease cut site. In vivo tranfections using the
DNA vector system described herein demonstrate the use
of this system to produce ss-DNA in host cells.
RE.CNT 11
RE
(1) Genset; WO 9423026 A 1994 CAPLUS
(2) Hybridon Inc; WO 9401550 A 1994 CAPLUS
(3) Mao, J; J BIOL CHEM 1995, V270(34), P19684 CAPLUS
(5) Miller, J; WO 9413689 A 1994 CAPLUS
(6) Miller, J; WO 9535369 A 1995 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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